

Notice of Allowability

Application No.

10/693,666

Examiner

Anh Ly

Applicant(s)

MOORE ET AL.

Art Unit

2162

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/02/2006.
2. ☒ The allowed claim(s) is/are 1, 4-11, 13-22 and 25-28 (renumbered as 1-23).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date See Continuation Sheet
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 10/25/2006
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

1. This Office Action is response to Applicants' AMENDMENT filed on 10/02/2006.
2. Claims 2, 3, 12, 23 and 24 have been cancelled.
3. Claim 28 has been added.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Chunhsi Andy Mu (Reg. No. 58,216) on WED. 10/25/2006 and FRI. 11/03/2006 at 202 824-3000.

The application has been amended as follows:

Claim 1:

1. (Currently Amended) A computer-implemented method for managing data in a list, the method comprising:

creating a list having an item type and a relationship type, wherein the relationship type corresponds to a relationship between items in the list;

generating a list entry template based on the relationship type, wherein the list entry template includes one or more item properties associated with the relationship type;

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generating a list entry, in accordance with the entry template, representing the relationship between an item and a root list item, wherein the list entry comprises the one or more item properties specified by the list entry template;

adding the generated list entry to the created list;

storing the list in a memory of a data processing device;

changing a location of the item; and

updating the entry to refer to the changed location; and

displaying information based on the created list.

Claim 13:

The first line of claim 13, "The system of claim 12" replace with "The system of claim 11".

Claim 28:

28. (Currently Amended) A computer-implemented method for managing data in a list, the method comprising:

creating a list having an item type and a relationship type, wherein the relationship type corresponds to a relationship between items in the list; and wherein the list is a file in XML format;

generating a list entry template based on the relationship type, wherein the list entry template includes one or more item properties associated with the relationship type;

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generating a list entry, in accordance with the entry template, representing the relationship between an item and a root list item,

wherein the list entry comprises the one or more item properties specified by the list entry template, wherein the one or more item properties is metadata associated with the item, and

wherein the list entry is a non-holding reference to the item associated with the item type;

adding the generated list entry to the created list;

storing the list in a memory of a data processing device;

updating the generated list entry, wherein updating the generated list entry includes serializing a shell link to the non-holding reference; and

displaying information based on the created list.

5. Claims 1, 4-11, 13-22, and 25-28 are allowed.

Allowable Subject Matter

6. The present application has been thoroughly reviewed. Upon searching a variety of databases, the examiner respectfully submits that claims 1, 4-11, 13-22 and 25-28 are allowed in light of the applicants' argument and in light of the prior arts of made record.

The following is an examiner's statement of reasons for allowance:

The claimed invention is directed to a method, system and computer-readable medium having a computer-executable component for managing data in a lists, which is a list of a set of items defined by a root item, a direction, and the entry relationships with that root item in that direction. A verb is an action that may be performed on the items in the list and includes among others, move, copy, add, remove and delete. The actions performed on the items include actions performed on the entry relationships between the item and the root item. This invention is to provide to the use with alternative ways to access items other than through another folder or in a certain order.

The closest prior arts, Pub. No.: US 2003/0227487 A1 of Hugh teaches creating a list of data items such as word processing documents and other working files, creating a list having data items and relationship and generating entry template. And US Patent No.: 6,243,724 B1 issued to Mander et al. (hereinafter Mander) teaches storing various documents in a memory and including information concerning the documents and piles in the computer's filing system.

In combination, Hugh and Mander fail to teach "changing a location of an item and updating a list entry to refer to the change location, ... moving an item to a second list ... the second list's relationship type has in common with the first list's relationship type." (see applicants' Remark dated 10/02/2006: page 8, the last paragraph and page 9, the first and second paragraph).

These distinct features, in conjunction with all other limitations of the dependents and independent claims render claims 1, 4-11, 13-22 and 25-28 them allowable.


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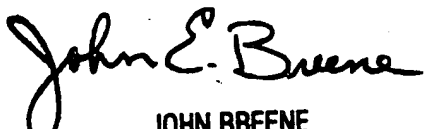
7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh Ly whose telephone number is (571) 272-4039 or via E-Mail: ANH.LY@USPTO.GOV (**Written Authorization being given by Applicant (MPEP 502.03 [R-2])) or fax to (571) 273-4039 (Examiner's personal Fax No.)**). The examiner can normally be reached on TUESDAY – THURSDAY from 8:30 AM – 3:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **John Breene**, can be reached on (571) 272-4107.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). Any response to this action should be mailed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, or faxed to: **Central Fax Center: (571) 273-8300**

ANH LY 
NOV. 9th, 2006


JOHN BREENE
SUPERVISORY PATENT EXAMINER
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